

Comparison of antibody and T cell responses elicited by BBIBP-CorV (Sinopharm) and BNT162b2 (Pfizer-BioNTech) vaccines against SARS-CoV-2 in healthy adult humans

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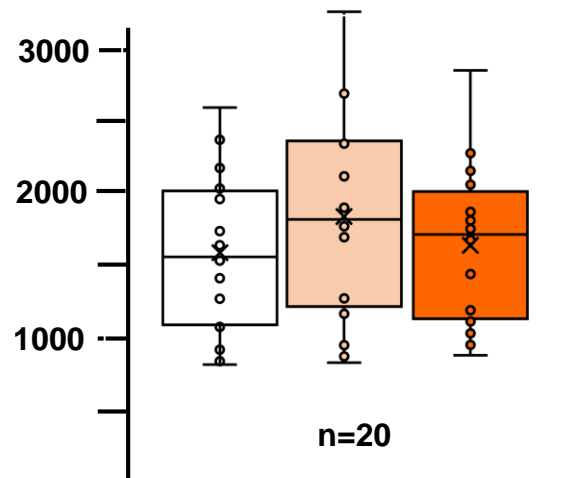
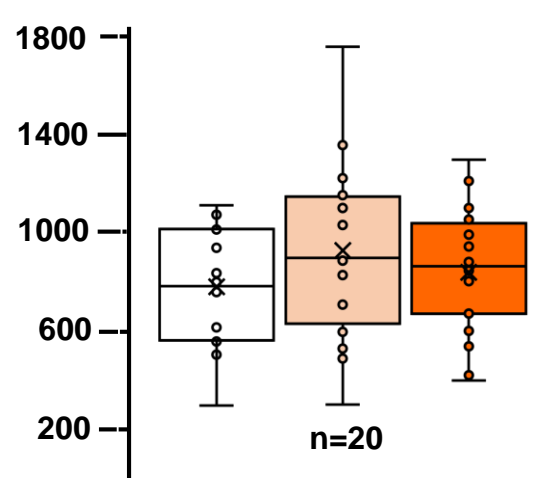
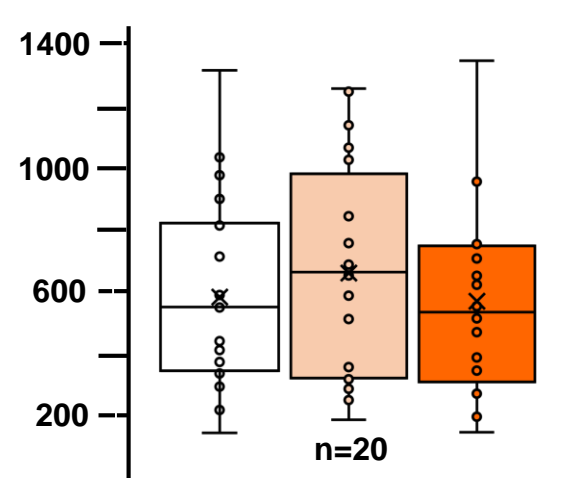
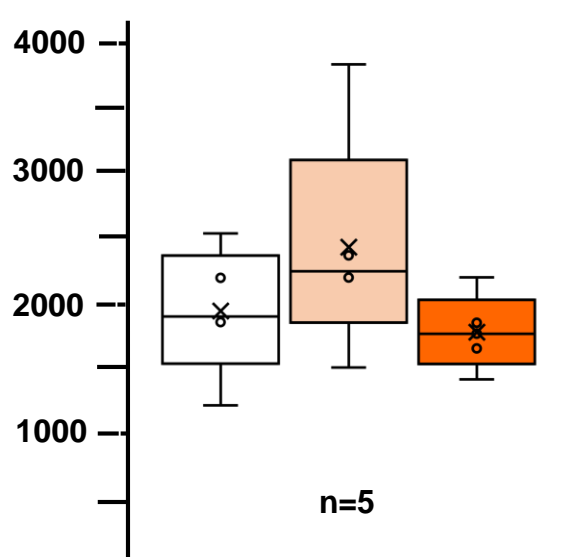
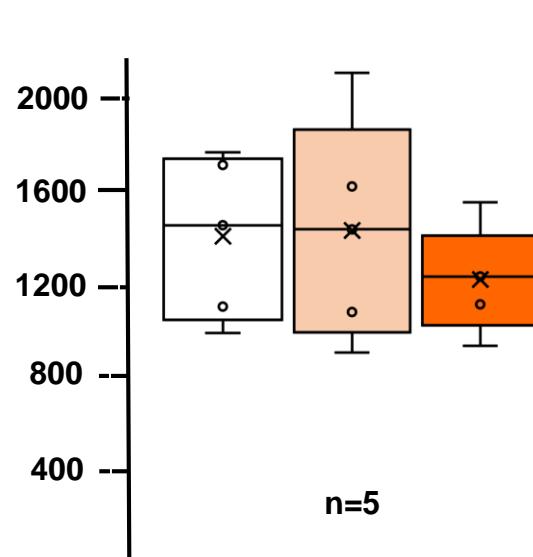
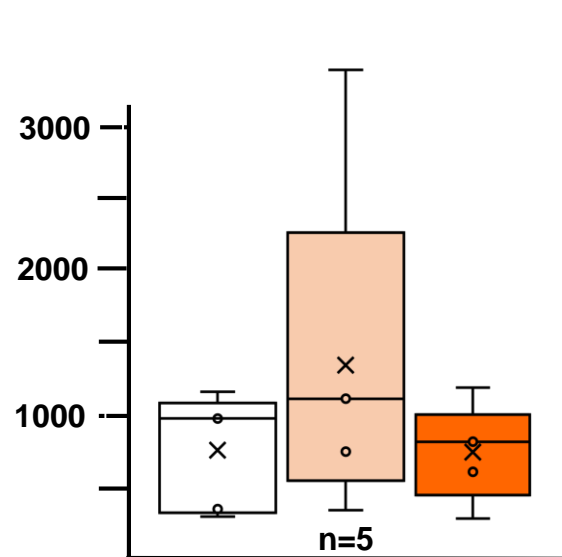
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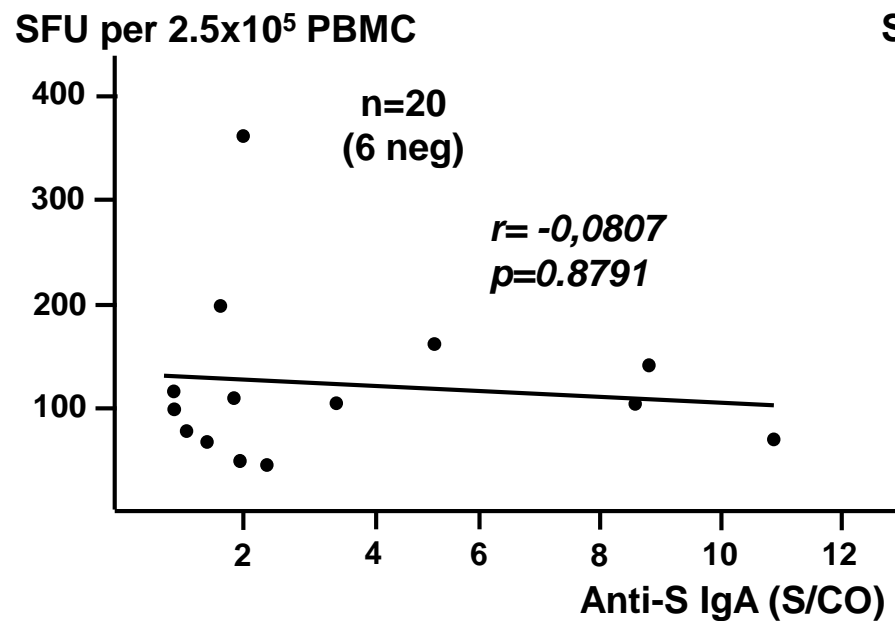
Supplementary Table 1. **Anti-NP IgG response after the second vaccine dose**

| | BBIBP-CorV | | BNT162b2 | |
|---|-------------------|----------------|-----------------|----------------|
| | Group 1 | Group 2 | Group 1 | Group 2 |
| No of individuals per positive individuals | 20/7 | 5/4 | 27/0 | 5/1 |

Supplementary Fig. 1. **T lymphocyte landscape in participants vaccinated with BBIBP-CorV.** Box plots of major T cell subsets from PBMCs of individuals immunized with BBIBP-CorV. Different panels demonstrate the absolute numbers of CD3⁺ T (a and b), CD3⁺CD4⁺ T (c and d), and CD3⁺CD8⁺ T cells (e and f) in individuals with (b, d and f) or without (a, c and e) preexisting T cell immunity at day 0. Box plots display the median values with the interquartile range (lower and upper hinge) and ± 1.5 fold the interquartile range from the first and third quartile (lower and upper whiskers). P-values are determined by the Wilcoxon signed rank test and $p < 0.05$ was considered to be statistically significant (* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$).

Supplementary Fig. 2. **Correlation of serum anti-S IgA and T cell responses induced by different SARS-CoV-2 vaccines.** Correlations between anti-S IgA and the cumulative SFU responses after the second vaccine dose in 20 virus-naïve (group 1) individuals that received BBIBP-CorV (a) and 27 naïve (group 1) individuals that received BNT162b2 (b), as assessed by Pearson correlation. R, correlation coefficient. Neg, seronegative.

a**Absolute Cell Number****c****Absolute Cell Number****e****Absolute Cell Number****b****Absolute Cell Number****d****Absolute Cell Number****f****Absolute Cell Number****Suppl Fig.1.**

a**b**